

FIG. 1A

## TRANSACTION

Attribute Name	Seq.	Opt.	Format	Length	Decimal
TRANSACTION_CD	10	N	VARCHAR2	7	
NAME_TX	20	N	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 1B

## TRANSACTION\_DTL

Attribute Name	Seq.	Opt.	Format	Length	Decimal
TRANSACTION_DTL_ID	10	N	VARCHAR2	7	
TRANSACTION_CD_FK	20	N	VARCHAR2	7	
TRANSACTION_DTL_ID_RFK	30	N	VARCHAR2	7	
DATE_TX	40	N	DATE		

FIG. 1C

## TRANSACTION

Transaction_CD	Name_TX	Descr_TX
Buy_Prod	Buy product transaction	This transaction relates to a customer buying a product.
Sell_Prod	Sell product transaction	This transaction to a vendor selling a product.

FIG. 1D

## TRANSACTION\_DETAIL

Transaction_DTL_ID	Transaction_CD_FK	Date_DT
1	Buy_Prod	11/01/1999
2	Buy_Prod	11/05/1999
3	Sell_Prod	11/01/1999

FIG. 1E

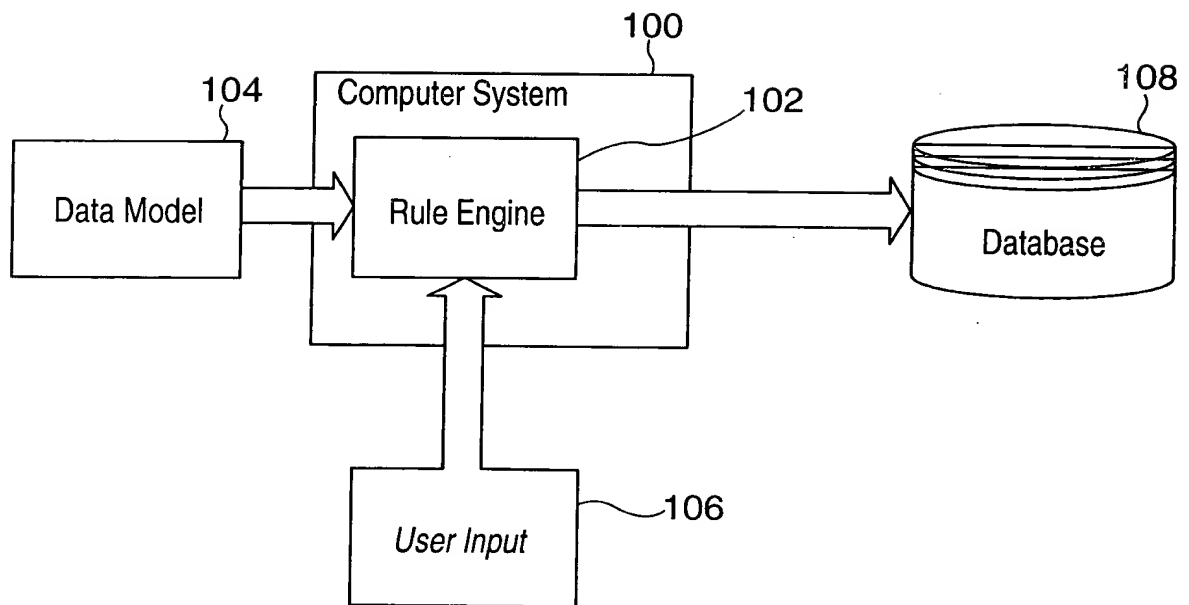


FIG. 2

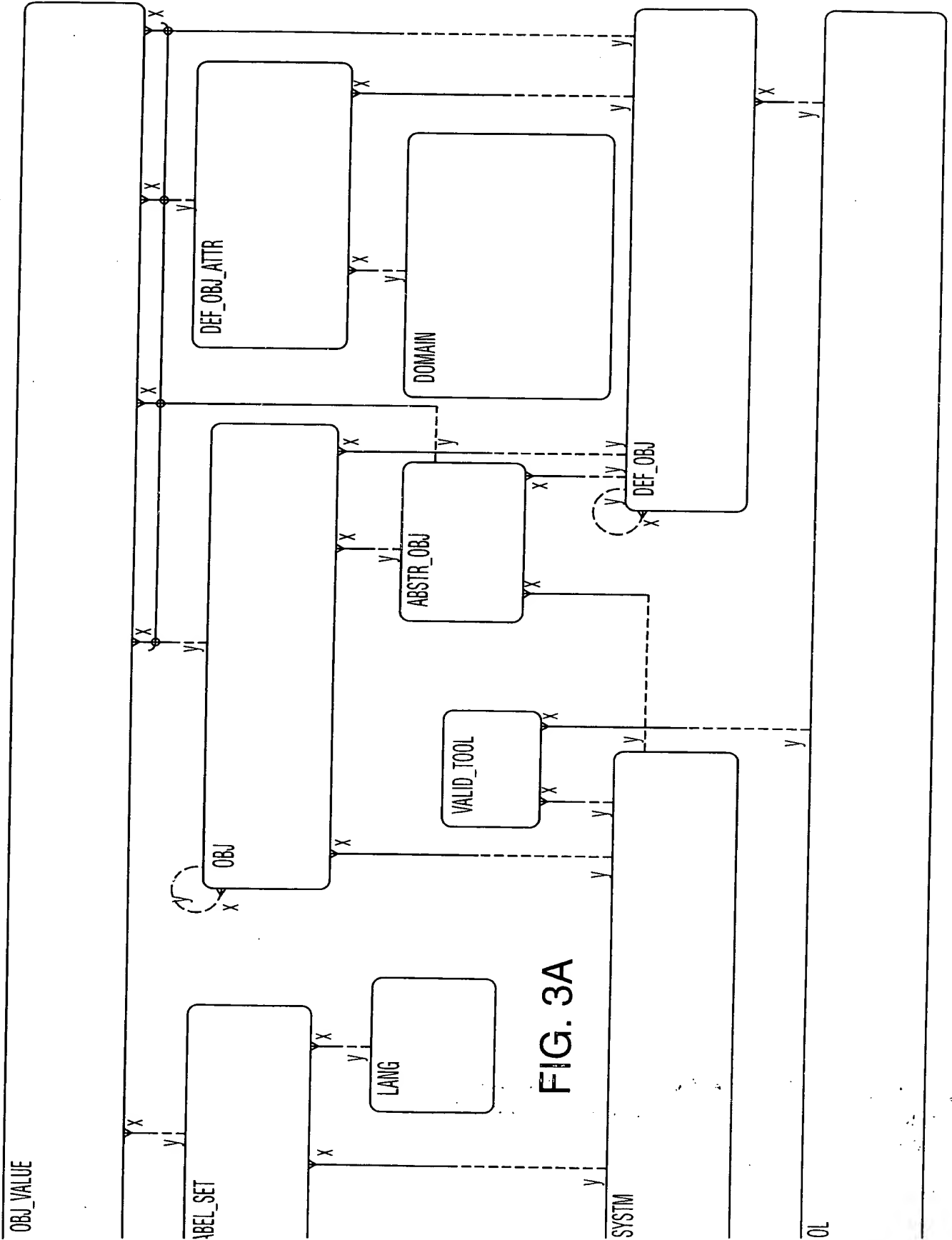
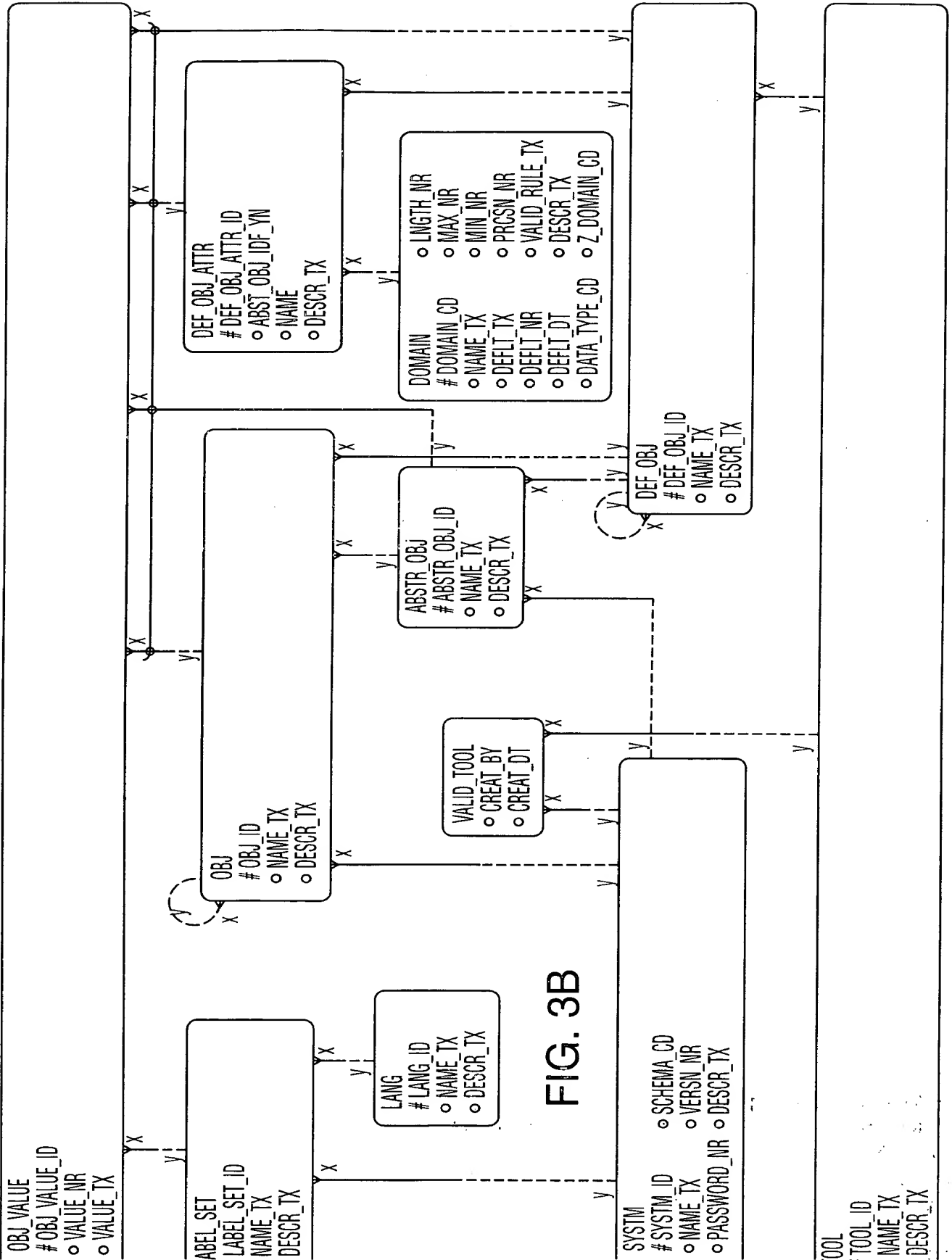


FIG. 3A

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TOOL

Attribute Name	Seq.	Opt.	Format	Length	Decimal
TOOL_CD	10	N	VARCHAR2	200	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4A

DEF\_OBJECT

Attribute Name	Seq.	Opt.	Format	Length	Decimal
DEF_OBJECT_ID	10	N	NUMBER	10	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4B

SYSTM

Attribute Name	Seq.	Opt.	Format	Length	Decimal
SYSTM_ID	10	N	NUMBER	10	
NAME_TX	20	Y	VARCHAR2	40	
PASSWORD_NR	30	Y	NUMBER	10	
SCHEMA_CD	40	Y	VARCHAR2	200	
VERSN_NR	50	Y	NUMBER	10	
DESCR_TX	60	Y	VARCHAR2	2000	

FIG. 4C

VALID\_TOOL

Attribute Name	Seq.	Opt.	Format	Length	Decimal
CREAT_BY	10	Y	VARCHAR2	200	
CREAT_DT	20	Y	DATE		

FIG. 4D

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OBJ

Attribute Name	Seq.	Opt.	Format	Length	Decimal
OBJ_ID	10	N	NUMBER	10	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4E

ABSTR\_OBJ

Attribute Name	Seq.	Opt.	Format	Length	Decimal
ABSTR_OBJ_ID	10	N	NUMBER	10	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4F

LANG

Attribute Name	Seq.	Opt.	Format	Length	Decimal
LANG_CD	10	N	VARCHAR2	200	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4G

LABEL\_SET

Attribute Name	Seq.	Opt.	Format	Length	Decimal
LABEL_SET_CD	10	N	VARCHAR2	200	
NAME_TX	20	Y	VARCHAR2	40	
DESCR_TX	30	Y	VARCHAR2	2000	

FIG. 4H

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DOMAIN

Attribute Name	Seq.	Opt.	Format	Length	Decimal
DOMAIN_CD	10	N	VARCHAR2	200	
NAME_TX	20	Y	VARCHAR2	40	
DEFLT_TX	30	Y	VARCHAR2	200	
DEFLT_NR	40	Y	NUMBER	10	
DEFLT_DT	50	Y	DATE		
DATA_TYPE_CD	60	Y	VARCHAR2	200	
LNGTH_NR	70	Y	NUMBER	10	
MAX_NR	80	Y	NUMBER	10	
MIN_NR	90	Y	NUMBER	10	
PRCSN_NR	100	Y	NUMBER	10	
VALID_RULE_TX	110	Y	VARCHAR2	2000	
DESCR_TX	120	Y	VARCHAR2	2000	
Z_DOMAIN_CD	130	Y	VARCHAR2	200	

FIG. 4I

DEF\_OBJ\_ATTR

Attribute Name	Seq.	Opt.	Format	Length	Decimal
DEF_OBJ_ATTR_ID	10	N	NUMBER	10	
ABST_OBJ_IDF_YN	20	Y	VARCHAR2	1	
NAME_TX	30	Y	VARCHAR2	40	
DESCR_TX	40	Y	VARCHAR2	2000	

FIG. 4J

OBJ\_VALUE

Attribute Name	Seq.	Opt.	Format	Length	Decimal
OBJ_VALUE_ID	10	N	NUMBER	10	
VALUE_NR	20	Y	NUMBER	10	
VALUE_TX	30	Y	VARCHAR2	2000	

FIG. 4K

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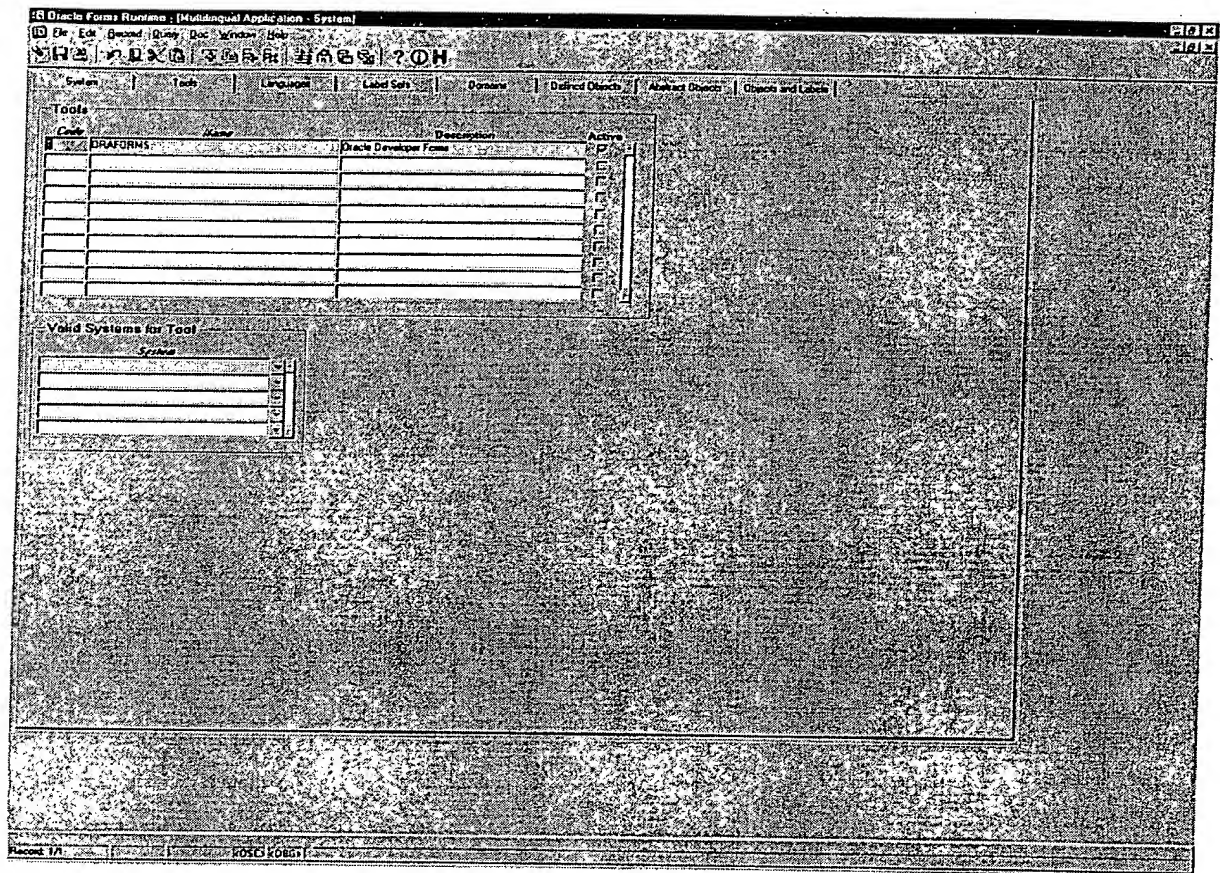


FIG. 5A + K

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Oracle Forms Runtime - (Multilingual Application - System)

File Edit View Window Help

System Tools Language Label Set Objects Defined Objects Abstract Objects Objects and Labels

Tool Code Name Description Label Set System Code Name Language

ORA00000 Oracle Developer Forms

Defined Objects

LEVEL 1: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

LEVEL 2: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

LEVEL 3: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

LEVEL 4: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

LEVEL 5: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

LEVEL 6: Name Description Active Attributes Description Parameter ADA (Abstract Object Attribute) Value Active P

FROM: (10/29) Query cannot be retrieved

Record: 1/1 (10/29) 10/29/2001 10:00:00 AM KDSCL KDSCL

FIG. 5B + C + F + N

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[illegible]

FIG. 5D

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The screenshot shows the Oracle Forms Runtime window for a Multilingual Application - System. The window has a menu bar with File, Edit, Record, Query, Report, Window, and Help. Below the menu bar is a toolbar with various icons. The main area is divided into two sections: System and Objects.

**System**

System Id	Name	Language	Label

**Objects**

Top Level Object

[Text Field] [DELETE]

Name	Level

FIG. 5E

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Oracle Forms Runtime - [Multilingual Application - System]

File Edit View Query Help

INDEX + KEYS ? OH

System Tools Languages Label Sets Domains Defined Objects Abstract Objects Objects and Labels

System

System Id	Name	Description	Version

Abstract Objects

Name	Description	Object Type	Based on Attribute	Active
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>

Attributes

Attribute

Label Set and Values

Code	Name

Value

Active ☐

Label Set and Values

Code	Name

Value

Active ☐

PRM-10260: Query caused no records to be retrieved.  
Record 1/1 K05C 00883

FIG. 5G + L

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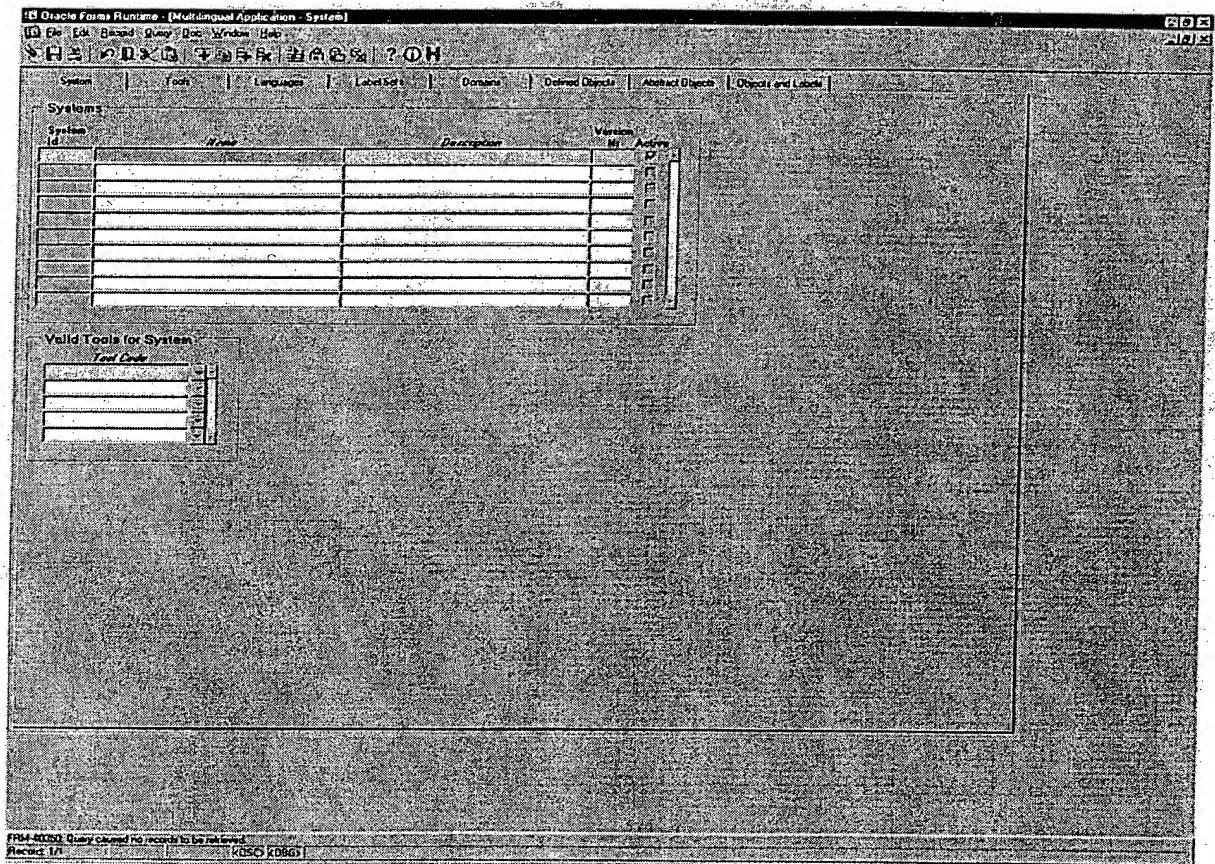


FIG. 5H

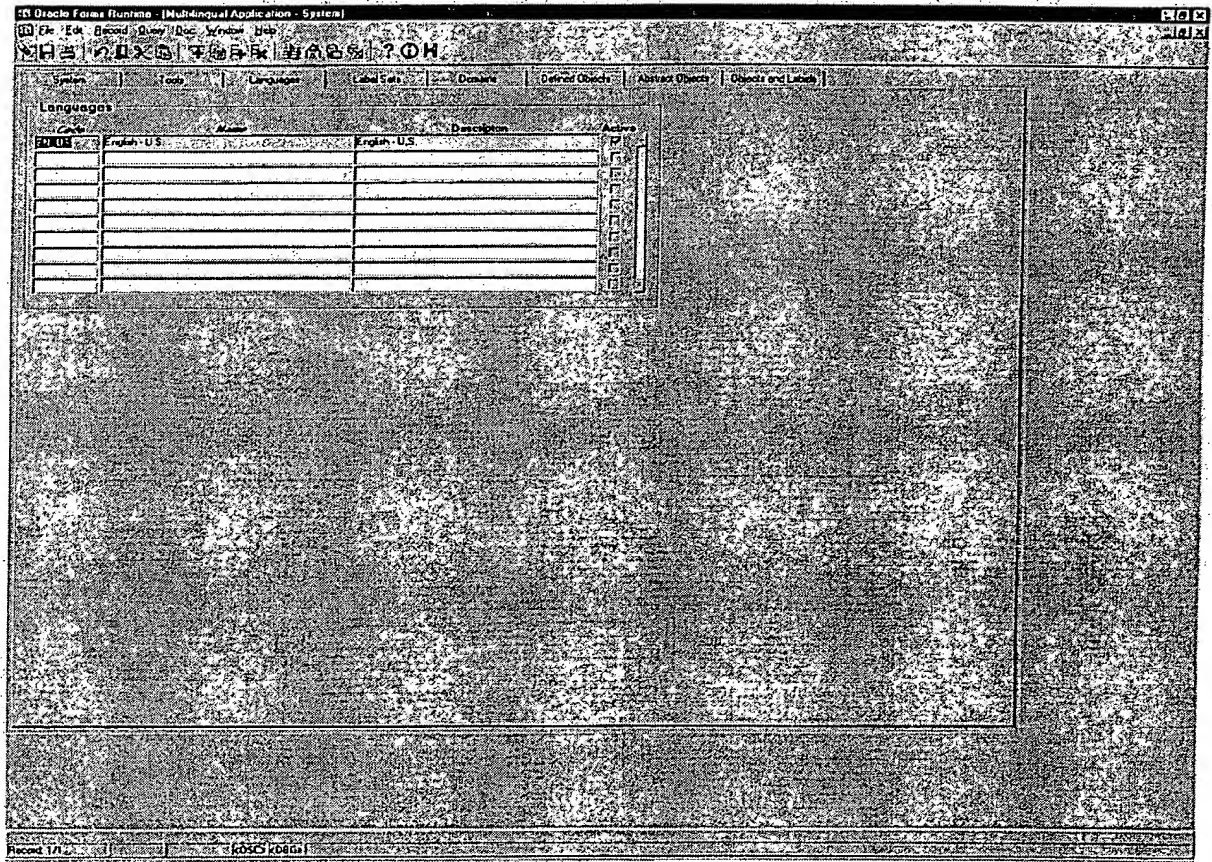


FIG. 5I

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[illegible]

FIG. 5J

SELECT HARD - (Function: Enter)

Function ID: 10

DATE, NAME, STATE, FAPRN, DT, DT

START DATE: 10/10/10

BUSINESS DAYS TO WAIT

START DATE	BUSINESS DAYS TO WAIT
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10
10/10/10	10

Function Maintenance Screen

FIG. 6

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TOOL

TOOL_CD	NAME_TX	DESCR_TX
Forms	Oracle Forms	Oracle Developers' screen application product
Reports	Oracle Reports	Oracle Developers' report application product
SQL Server	Microsoft SQL Server	Microsoft database developers Database Management System product

FIG. 7A

DEF\_OBJ

DEF_OBJ_ID	NAME_TX	DEF_OBJ_ID_RFK	TOOL_CD	DESCR_TX
354	Form		Forms	An Oracle Developer Form's form.
355	Block	354	Forms	An Oracle Developer Form's block.
356	Window	354	Forms	An Oracle Developer Form's window.
357	Canvas	356	Forms	An Oracle Developer Form's canvas.
358	Tab Page	357	Forms	An Oracle Developer Form's tab page.
359	Visual Attribute	354	Forms	An Oracle Developer Form's visual attribute.
360	Text Item	355	Forms	An Oracle Developer Form's text item.
361	Display Item	355	Forms	An Oracle Developer Form's display item.
362	Checkbox	355	Forms	An Oracle Developer Form's checkbox.
363	Button	355	Forms	An Oracle Developer Form's button.
377	Radio Group	355	Forms	An Oracle Developer Form's radio group.

FIG. 7B

SYSTEM

SYSTEM_ID	NAME_TX	PASSWORD_NR	SCHEMA_CD	VERSN_NR	DESCR_TX
1	Payroll System	Amnbc1		3.0	This is the payroll system.
2	ABC Corp.	Wat99		2.1	This is the entire information system for the ABC Corporation.
3	Marketing IS	Litn35		1.2	This is the marketing information system.

FIG. 7C

VALID\_TOOL

SYSTEM_ID_FK	TOOL_CD_FK	CREAT_BY	CREAT_DT
1	Forms	John Smith	January 29, 2000
2	Forms	Tom Jones	June 14, 2000
3	Reports	Tom Jones	June 14, 2000

FIG. 7D

OBJ

OBJ_ID	NAME_TX	OBJ_ID_RFK	DEF_OBJ_ID_FK	SYSTM_ID_FK	DESCR_TX
3519	V_Gen_Party_COB_Info_Role_Tran.Activ	3515	362	2	A checkbox named V_Gen_Party_COB_Info_Role_Tran.Activ_YN
3520	Source	3373	355	2	A block named Source
3521	W_Source	3373	356	2	A window named W_Source
3522	C_Source	3521	357	2	A canvas named C_Source
3523	Source.Party_Role_ID	3520	360	2	A text item named Source.Party_Role_ID
3524	Source.Cntxt_TX	3520	360	2	A text item named Source.Cntxt_TX
3525	Source.Z_Party_CD	3520	360	2	A text item named Source.Z_Party_CD
3526	Source.Z_Rel_CD	3520	360	2	A text item named Source.Z_Rel_CD
3527	Source.Name_TX	3520	360	2	A text item named Source.Name_TX
3528	Source.RG_Source	3520	377	2	A radio group named Source.RG_Source
3529	Source.Push_Button439	3520	363	2	A button named Source.Push_Button439
3530	Party Drill Down	3373	355	2	A block named Party Drill Down
3531	Gr Drill Down	3373	355	2	A block named Gr Drill Down
3532	COB Rprpt	3373	355	2	A block named COB Rprpt
3533	GR Filter	3373	355	2	A block named GR Filter
3534	V Geogr Reg	3373	355	2	A block named V Geogr Reg
3535	C Geogr Reg Filter	3389	357	2	A canvas named C Geogr Reg Filter
3518	V_Gen_Party_COB_Info_Role_Trans.Lang_Name_TX	3515	360	2	A text item named V_Gen_Party_COB_Info_Role_Trans.Lang_Name_TX
3506	V_Gen_Party_COB_Info_Role	3373	355	2	A block named V_Gen_Party_COB_Info_Role
3507	STab2	3404	358	2	A tab page named STab2
3508	V-Gen_Party_COB_Info_Role.Gen_Party_COB_Info_ID	3506	360	2	A text item named V-Gen_Party_COB_Info_Role.Gen_Party_COB_Info_ID
3509	V_Gen_Party_COB_Info_Role.Var_Name_TX	3506	360	2	A text item named V_Gen_Party_COB_Info_Role.Var_Name_TX
3510	V_Gen_Party_COB_Info_Role.Stord_Value	3506	360	2	A text item named V_Gen_Party_COB_Info_Role.Stord_Value
3511	V_Gen_Party_COB_Info_Role.Lang_Name_TX	3506	360	2	A text item named V_Gen_Party_COB_Info_Role.Lang_Name_TX
3512	V_Gen_Party_COB_Info_Role.Activ_YN	3506	362	2	A checkbox named V_Gen_Party_COB_Info_Role.Activ_YN
3513	V_Gen_Party_COB_Info_Role.Pb_Lang_CD	3506	363	2	A button named V_Gen_Party_COB_Info_Role.Pb_Lang_CD
3514	V_Gen_Party_COB_Info_Role.Pb_Value	3506	363	2	A button named V_Gen_Party_COB_Info_Role.Pb_Value
3515	V_Gen_Party_COB_Info_Role_Tran	3373	355	2	A block named V_Gen_Party_COB_Info_Role_Tran
3516	V_Gen_Party_COB_Info_Role_Tran.Gen_Party_COB_Info_ID	3515	360	2	A text item named V_Gen_Party_COB_Info_Role_Tran.Gen_Party_COB_Info_ID
3517	V_Gen_Party_COB_Info_Role_Tran.Stord_Value	3515	360	2	A text item named V_Gen_Party_COB_Info_Role_Tran.Stord_Value

3505	V_Gen_Party_COB_Info_Trans.Activ_YN	3501	362	2	A checkbox named V_Gen_Party_COB_Info_Trans.Activ_YN
3494	V_Gen_Party_COB_Info_Party.Var_Name_TX	3491	360	2	A text item named V_Gen_Party_COB_Info_Party.Var_Name_TX
3495	V_Gen_Party_COB_Info_Party.Stord_Value	3491	360	2	A text item named V_Gen_Party_COB_Info_Party.Stord_Value
3496	V_Gen_Party_COB_Info_Party.Lang_Name_TX	3491	360	2	A text item named V_Gen_Party_COB_Info_Party.Lang_Name_TX
3497	V_Gen_Party_COB_Info_Party.Activ_YN	3491	362	2	A checkbox named V_Gen_Party_COB_Info_Party.Activ_YN
3498	V_Gen_Party_COB_Info_Party.Pb_Lang_CD	3491	363	2	A button named V_Gen_Party_COB_Info_Party.Pb_Lang_CD
3499	V_Gen_Party_COB_Info_Party.Pb_Value	3491	363	2	A button named V_Gen_Party_COB_Info_Party.Pb_Value
3500	V_Gen_Party_COB_Info_Party.Pb_Z_Party_COB_NFO_CD	3491	363	2	A button named V_Gen_Party_COB_Info_Party.Pb_Z_Party_COB_NFO_CD
3501	V_Gen_Party_COB_Info_Trans	3373	355	2	A block named V_Gen_Party_COB_Info_Trans
3502	V_Gen_Party_COB_Info_Trans.Gen_Party_COB_Info_ID	3501	360	2	A text item named V_Gen_Party_COB_Info_Trans.Gen_Party_COB_Info_ID
3503	V_Gen_Party_COB_Info_Trans.Stord_Value	3501	360	2	A text item named V_Gen_Party_COB_Info_Trans.Stord_Value
3504	V_Gen_Party_COB_Info_Trans.Lang_Name_TX	3501	360	2	A text item named V_Gen_Party_COB_Info_Trans.Lang_Name_TX
3493	V_Gen_Party_COB_Info_Party.Gen_Party_COB_Info_ID	3491	360	2	A text item named V_Gen_Party_COB_Info_Party.Gen_Party_COB_Info_ID
3573	V_Funct.Descr_TX	3563	360	2	A text item named V_Funct.Descr_TX
3574	Block Title	3557	359	2	A visual attribute named Block Title
3575	V_Funct.Pb_Domian_CD	3563	363	2	A button named V_Funct.Pb_Domian_CD
3576	V_Funct_Dtl	3557	355	2	A block named V_Funct_Dtl
3577	V_Funct_Dtl.Name_TX	3576	360	2	A text item named V_Funct_Dtl.Name_TX
3578	V_Funct_Dtl.DSP_Domain_CD	3576	360	2	A text item named V_Funct_Dtl.DSP_Domain_CD
3579	V_Funct_Dtl.Order_NR	3576	360	2	A text item named V_Funct_Dtl.Order_NR
3580	V_Funct_Dtl.Regd_YN	3576	362	2	A checkbox named V_Funct_Dtl.Regd_YN
3581	V_Funct_Dtl.May_Rpeat_YN	3576	362	2	A checkbox named V_Funct_Dtl.May_Rpeat_YN
3582	V_Funct_Dtl.Descr_TX	3576	360	2	A text item named V_Funct_Dtl.Descr_TX
3583	V_Funct_Dtl.Funct_Dtl_ID	3576	360	2	A text item named V_Funct_Dtl.Funct_Dtl_ID
3572	V_Funct_Activ_YN	3563	362	2	A checkbox named V_Funct_Activ_YN
3554	Plan_Table.ID	3539	360	2	A text item named Plan_Table.ID
3555	Plan_Table.Parent_ID	3539	360	2	A text item named Plan_Table.Parent_ID
3556	Plan_Table.Position	3539	360	2	A text item named Plan_Table.Position
3557	Function		354	2	A form named Function
3558	Stuff	3557	355	2	A block named Stuff
3559	W_Main	3557	356	2	A window named W_Main
3560	C_Main	3559	357	2	A canvas named C_Main
3561	Data_Current	3557	359	2	A visual attribute named Data_Current

3562	Stuff.Null_Item	3558	360	2	A text item named Stuff.Null_Item
3563	V_Funct	3557	355	2	A block named V_Funct
3564	Custom	3557	359	2	A visual attribute named Custom
3565	Data_Blue	3557	359	2	A visual attribute named Data_Blue
3566	V_Funct.Funct_ID	3563	360	2	A text item named V_Funct.Funct_ID
3567	Data_Enter	3557	359	2	A visual attribute named Data_Enter
3568	V_Funct.Name_TX	3563	360	2	A text item named V_Funct.Name_TX
3569	V_Funct.DSP_Z_Funct_CD	3563	360	2	A text item named V_Funct.DSP_Z_Funct_CD
3570	V_Funct.DSP_Domain_CD	3563	360	2	A text item named V_Funct.DSP_Domain_CD
3571	Data_Display	3557	359	2	A visual attribute named Data_Display
3553	Plan_Table.Search_Columns	3539	360	2	A text item named Plan_Table.Search_Columns
3537	V_Geogr_Reg.DSP_Z_Geogr_Reg_CD	3534	360	2	A text item named V_Geogr_Reg.DSP_Z_Geogr_Reg_CD
3538	Test_Help		354	2	A form named Test_Help
3539	Plan_Table	3538	355	2	A block named Plan_Table
3540	Window1	3538	356	2	A window named Window1
3541	Canvas2	3540	357	2	A canvas named Canvas2
3542	Plan_Table.Statement_ID	3539	360	2	A text item named Plan_Table.Statement_ID
3543	Plan_Table.Timestamp	3539	360	2	A text item named Plan_Table.Timestamp
3544	Plan_Table.Remarks	3539	360	2	A text item named Plan_Table.Remarks
3545	Plan_Table.Operation	3539	360	2	A text item named Plan_Table.Operation
3546	Plan_Table.Options	3539	360	2	A text item named Plan_Table.Options
3547	Plan_Table.Object_Node	3539	360	2	A text item named Plan_Table.Object_Node
3548	Plan_Table.Object_Owner	3539	360	2	A text item named Plan_Table.Object_Owner
3549	Plan_Table.Object_Name	3539	360	2	A text item named Plan_Table.Object_Name
3550	Plan_Table.Object_Instance	3539	360	2	A text item named Plan_Table.Object_Instance
3551	Plan_Table.Object_Type	3539	360	2	A text item named Plan_Table.Object_Type
3552	Plan_Table.Optimizer	3539	360	2	A text item named Plan_Table.Optimizer
3536	V_Geogr_Reg.Activ_YN	3534	362	2	A checkbox named V_Geogr_Reg.Activ_YN
3480	V_Party_Role_Child	3373	355	2	A block named V_Party_Role_Child
3481	V_Party_Role_Child.Party_Role_ID	3480	360	2	A text item named V_Party_Role_Child.Party_Role_ID
3482	V_Party_Role_Child.DSP_Z_Rel_CD	3480	360	2	A text item named V_Party_Role_Child.DSP_Z_Rel_CD
3483	V_Party_Role_Child.DSP_Z_Party_CD	3480	360	2	A text item named V_Party_Role_Child.DSP_Z_Party_CD
3484	V_Party_Role_Child.DSP_Party_ID	3480	360	2	A text item named V_Party_Role_Child.DSP_Party_ID
3485	V_Party_Role_Child.Start_DT	3480	360	2	A text item named V_Party_Role_Child.Start_DT
3486	V_Party_Role_Child.End_DT	3480	360	2	A text item named V_Party_Role_Child.End_DT
3487	V_Party_Role_Child.Activ_YN	3480	362	2	A checkbox named V_Party_Role_Child.Activ_YN
3488	V_Party_Role_Child.Pb_Z_Rel_CD	3480	363	2	A button named V_Party_Role_Child.Pb_Z_Rel_CD
3489	V_Party_Role_Child.Pb_Z_Party_CD	3480	363	2	A button named V_Party_Role_Child.Pb_Z_Party_CD
3490	V_Party_Role_Child.Pb_Party_ID	3480	363	2	A button named V_Party_Role_Child.Pb_Party_ID
3491	V_Gen_Party_COB_Info_Party	3373	355	2	A block named V_Gen_Party_COB_Info_Party
3492	Tab3	3396	358	2	A tab page named Tab3
3479	V_Party_Role_Parent.Pb_Z_Party_CD	3469	363	2	A button named V_Party_Role_Parent.Pb_Z_Party_CD
3465	V_Party.Activ_YN	3461	362	2	A checkbox named V_Party.Activ_YN

3466	V_Party.End_DT	3461	360	2	A text item named V_Party.End_DT
3467	V_Party.Persn_YN	3461	362	2	A checkbox named V_Party.Persn_YN
3468	V_Party.Order_NR	3461	360	2	A text item named V_Party.Order_NR
3469	V_Party_Role_Parent	3373	355	2	A block named V_Party_Role_Parent
3470	Tab2	3396	358	2	A tab page named Tab2
3471	V_Party_Role_Parent.Party_Role_ID	3469	360	2	A text item named V_Party_Role_Parent.Party_Role_ID
3472	V_Party_Role_Parent.DSP_Party_Role_ID_RFK	3469	360	2	A text item named V_Party_Role_Parent.DSP_Party_Role_ID_RFK
3473	V_Party_Role_Parent.DSP_Z_Party_CD	3469	360	2	A text item named V_Party_Role_Parent.DSP_Z_Party_CD
3474	V_Party_Role_Parent.DSP_Z_Rel_CD	3469	360	2	A text item named V_Party_Role_Parent.DSP_Z_Rel_CD
3475	V_Party_Role_Parent.Activ_YN	3469	362	2	A checkbox named V_Party_Role_Parent.Activ_YN
3476	V_Party_Role_Parent.Start_DT	3469	360	2	A text item named V_Party_Role_Parent.Start_DT
3477	V_Party_Role_Parent.End_DT	3469	360	2	A text item named V_Party_Role_Parent.End_DT
3478	V_Party_Role_Parent.Pb_Cntxt_TX	3469	363	2	A button named V_Party_Role_Parent.Pb_Cntxt_TX
3464	V_Party.Start_DT	3461	360	2	A text item named V_Party.Start_DT
3448	Locator.Start_From_DT	3433	360	2	A text item named Locator.Start_From_DT
3449	Locator.Start_To_DT	3433	360	2	A text item named Locator.Start_To_DT
3450	Locator.End_From_DT	3433	360	2	A text item named Locator.End_From_DT
3451	Locator.End_To_DT	3433	360	2	A text item named Locator.End_To_DT
3452	Locator.Dsp_Geogr_Reg_ID	3433	360	2	A text item named Locator.Dsp_Geogr_Reg_ID
3453	Locator.Dsp_Z_Var_CD	3433	360	2	A text item named Locator.Dsp_Z_Var_CD
3454	Locator.Pb_Z_Doc_Var_CD	3433	363	2	A button named Locator.Pb_Z_Doc_Var_CD
3455	Locator.RAG_Persn_Org	3433	377	2	A radio group named Locator.RAG_Persn_Org
3456	Locator.RAG.Aspect_TX	3433	377	2	A radio group named Locator.RAG.Aspect_TX
3457	Locator.Pb_Z_Party_CD	3433	363	2	A button named Locator.Pb_Z_Party_CD
3458	Locator.Pb_Cntxt_TX	3433	363	2	A button named Locator.Pb_Cntxt_TX
3459	Locator.Pb_z_Rel_CD	3433	363	2	A button named Locator.Pb_z_Rel_CD
3460	Locator.Pb_Geogr_Reg_ID	3433	363	2	A button named Locator.Pb_Geogr_Reg_ID
3447	Locator.DSP_Z_Rel_CD	3433	360	2	A text item named Locator.DSP_Z_Rel_CD
3461	V_Party	3373	355	2	A block named V_Party
3462	V_Party.Party_ID	3461	360	2	A text item named V_Party.Party_ID
3463	V_Party.Name_TX	3461	360	2	A text item named V_Party.Name_TX
3431	Party_Filter_Result.Name_TX	3429	360	2	A text item named Party_Filter_Result.Name_TX
3432	Party_Filter_Result.Activ_YN	3429	362	2	A checkbox named Party_Filter_Result.Activ_YN
3433	Locator	3373	355	2	A block named Locator
3434	Locator.Party_ID	3433	360	2	A text item named Locator.Party_ID
3435	Start_End_NR	3395	357	2	A canvas named Start_End_NR
3436	Locator.From_NR	3433	360	2	A text item named Locator.From_NR
3437	Start_End_DT	3395	357	2	A canvas named Start_End_DT
3438	Locator.From_DT	3433	360	2	A text item named Locator.From_DT
3439	Locator.To_NR	3433	360	2	A text item named Locator.To_NR
3440	Locator.To_DT	3433	360	2	A text item named Locator.To_DT

3441	Locator.DSP Party Role ID RFK	3433	360	2	A text item named Locator.DSP Party Role ID RFK
3430	Party_Filter_Result.Party_ID	3429	360	2	A text item named Party_Filter_Result.Party_ID
3442	Locator.DSP Z Party_CD	3433	360	2	A text item named Locator.DSP_Z Party_CD
3443	Locator.Var_Val_TX	3433	360	2	A text item named Locator.Var_Val_TX
3444	Locator.DSP Party_ID	3433	360	2	A text item named Locator.DSP_Party_ID
3445	Locator.FED_Tax_ID	3433	360	2	A text item named Locator.FED_Tax_ID
3446	Locator.Legcy_NR	3433	360	2	A text item named Locator.Legcy_NR
3414	Party_Role.Party_Role_ID	3413	360	2	A text item named Party_Role.Party_Role_ID
3415	Party_Role.Cntxt_TX	3413	360	2	A text item named Party_Role.Cntxt_TX
3416	Party_Role.DSP_Z_Rel_CD	3413	360	2	A text item named Party_Role.DSP_Z_Rel_CD
3417	Party_Role.DSP_Z_Party_CD	3413	360	2	A text item named Party_Role.DSP_Z_Party_CD
3418	Party_Role.DSP_Party_ID	3413	360	2	A text item named Party_Role.DSP_Party_ID
3419	PR Locator	3373	355	2	A block named PR Locator
3420	Data_Enter	3373	359	2	A visual attribute named Data_Enter
3421	PR Locator.Name	3419	360	2	A text item named PR Locator.Name
3422	PR Locator.Party_Role_ID	3419	360	2	A text item named PR Locator.Party_Role_ID
3423	PR Locator.DSP_Z_Party_CD	3419	360	2	A text item named PR Locator.DSP_Z_Party_CD
3424	Party_Filter	3373	355	2	A block named Party_Filter
3425	C Party_Filter	3384	357	2	A canvas named C_Party_Filter
3426	Party_Filter.Party_ID	3424	360	2	A text item named Party_Filter.Party_ID
3413	Party_Role	3373	355	2	A block named Party_Role
3427	Party_Filter.DSP_Party_ID	3424	360	2	A text item named Party_Filter.DSP_Party_ID
3428	Party_Filter.DSP_Z_Party_CD	3424	360	2	A text item named Party_Filter.DSP_Z_Party_CD
3429	Party_Filter_Result	3373	355	2	A block named Party_Filter_Result
3394	Stuff.Pb_Start_Over	3374	363	2	A button named Stuff.Pb_Start_Over
3395	W_Main	3373	356	2	A window named W_Main
3396	C_Tab	3395	357	2	A canvas named C_Tab
3397	Tab4	3396	358	2	A tab page named Tab4
3398	Stuff.Party_Cntxt	3374	360	2	A text item named Stuff.Party_Cntxt
3399	Stuff.Pb_Party_Cntxt	3374	363	2	A button named Stuff.Pb_Party_Cntxt
3400	Tab1	3396	358	2	A tab page named Tab1
3401	Data_Display	3373	359	2	A visual attribute named Data_Display
3402	Stuff.Inclد_Inactiv	3374	362	2	A checkbox named Stuff.Inclد_Inactiv
3403	Stuff.Result	3374	362	2	A checkbox named Stuff.Result
3404	C_Subtab	3395	357	2	A canvas named C_Subtab
3405	STab1	3404	358	2	A tab page named STab1
3406	Stuff.Subtab_Null_Item	3374	360	2	A text item named Stuff.Subtab_Null_Item
3407	Stuff.Tab_Null_Item	3374	360	2	A text item named Stuff.Tab_Null_Item
3393	Stuff.Pb_Gr_Quit	3374	363	2	A button named Stuff.Pb_Gr_Quit
3408	Data_Current	3373	359	2	A visual attribute named Data_Current
3409	Stuff.Null_Item	3374	360	2	A text item named Stuff.Null_Item
3410	C_Main	3395	357	2	A canvas named C_Main
3411	Data_Blue	3373	359	2	A visual attribute named Data_Blue
3412	Stuff.Headr_TX	3374	361	2	A display named Stuff.Headr_TX
3374	Stuff	3373	355	2	A block named Stuff

3373	Party 111		354	2	A form named Party 111
3375	W_Pick	3373	356	2	A window named W_Pick
3376	C_Pick	3375	357	2	A canvas named C_Pick
3377	Custom	3373	359	2	A visual attribute named Custom
3378	Block_Title	3373	359	2	A visual attribute named Block_Title
3379	Stuff.Pb_Back	3374	363	2	A button named Stuff.Pb_Back
3380	C_Tb_Pick	3375	357	2	A canvas named C_Tb_Pick
3381	Stuff.Pb_Pr_Filter	3374	363	2	A button named Stuff.Pb_Pr_Filter
3382	Stuff.Pb_Pr_Quit	3374	363	2	A button named Stuff.Pb_Pr_Quit
3383	Stuff.Pb_Pr_Pick	3374	363	2	A button named Stuff.Pb_Pr_Pick
3384	W_Party_Filter	3373	356	2	A window named W_Party_Filter
3385	C_Tb_Party_Filter	3384	357	2	A canvas named C_Tb_Party_Filter
3386	Stuff.Pb_Party_Filter	3374	363	2	A button named Stuff.Pb_Party_Filter
3387	Stuff.Pb_Party_Quit	3374	363	2	A button named Stuff.Pb_Party_Quit
3388	Stuff.Pb_Party_Pick	3374	363	2	A button named Stuff.Pb_Party_Pick
3389	W_Geogr_Reg_Filter	3373	356	2	A window named W_Geogr_Reg_Filter
3390	C_TB_Geogr_Reg	3389	357	2	A canvas named C_TB_Geogr_Reg
3391	Stuff.Pb_Gr_Pick	3374	363	2	A button named Stuff.Pb_Gr_Pick
3392	Stuff.Pb_Gr_Filter	3374	363	2	A button named Stuff.Pb_Gr_Filter

FIG. 8F

## ABST\_OBJ

ABST_OBJ_ID	SYSTM_ID_FK	DEF_OBJ_ID_FK	NAME_TX	DESCR_TX
1	2	354		
2	2	355		
3	2	355		

FIG. 9A

## LANG

LANG_CD	NAME_TX	DESCR_TX
English	English	
French	French	
German	German	

FIG. 9B

## LABEL\_SET

LABEL_SET_CD	NAME_TX	LANG_CD_FK	SYSTM_ID_FK	DESCR_TX
ABC_Eng	ABC Corp. - English	English	1	The payroll system with English labels.
ABC_Fr	ABC Corp. - French	French	1	The payroll system with French labels.
ABC_Grm	ABC Corp. - German	German	1	The payroll system with German labels.

## DOMAIN

DOMAIN_CD	NAME_TX	DEFLT_TX	DEFLT_NR	DEFLT_DT	DATA_TYPE_CD	LENGTH_NR	MAX_NR	MIN_NR	PROCSN_NR	VALID_RULE_TX	DESCR_TX	Z_DOMAIN_CD
1	Money	Money			Number	10			2			
2	Small Amount				Number	6						

FIG. 9D

## DEF\_OBJ\_ATTR

DEF_OBJ_ATTR_ID	NAME	DEF_OBJ_ID_FK	ABST_OBJ_ID_FK	DOMAIN_CD_FK	DESCR_TX
431	Visual Attribute	357	Y	Char	Visual Attribute for a canvas.
432	Label	358	Y	Char	Label for a tab page.
433	Prompt Text	360	Y	Char	Prompt Text for a text item.
434	Label	362	Y	Char	Label for a checkbox.
435	Label	363	Y	Char	Label for a button.
430	Title	356	Y	Char	Title for a window.
436	Hint Text	360	Y	Char	Hint Text for a text item.
437	Tooltip Text	360	Y	Char	Tooltip Text for a text item.
438	Hint Text	361	Y	Char	Hint Text for a display item.
439	Tooltip Text	361	Y	Char	Tooltip Text for a display item.
440	Hint Text	362	Y	Char	Hint Text for a checkbox.
441	Tooltip Text	362	Y	Char	Tooltip Text for a checkbox.
442	Hint Text	363	Y	Char	Hint Text for a button.
443	Tooltip Text	363	Y	Char	Tooltip Text for a button.

FIG. 9E

OBJ\_VALUE

OBJ_VALUE ID	VALUE TX	VALUE NR	DEF OBJ ID FK	OBJ ID FK	LABEL SET CD FK	DEF OBJ ATTR ID FK	ABSTR OBJ ID FK
2284	Default		357	3376	ABC_Eng	431	
2285	Back		363	3379	ABC_Eng	442	
2286	Back		363	3379	ABC_Eng	435	
2287	Default		357	3380	ABC_Eng	431	
2288	Filter		363	3381	ABC_Eng	442	
2283	W Pick		356	3375	ABC_Eng	430	
2289	Filter		363	3381	ABC_Eng	443	
2290	Quit		363	3382	ABC_Eng	442	
2291	Quit		363	3382	ABC_Eng	443	
2292	Pick Context		363	3383	ABC_Eng	442	
2293	Pick Context		363	3383	ABC_Eng	443	
2294	W Party Filter		356	3384	ABC_Eng	430	
2296	Filter		363	3386	ABC_Eng	442	
2297	Filter		363	3386	ABC_Eng	443	
2298	Quit		363	3387	ABC_Eng	442	
2300	Pick Context		363	3388	ABC_Eng	442	
2301	Pick Context		363	3388	ABC_Eng	443	
2302	W Geogr Reg Filter		356	3389	ABC_Eng	430	
2304	Pick Context		363	3391	ABC_Eng	442	
2305	Pick Context		363	3391	ABC_Eng	443	
2306	Filter		363	3392	ABC_Eng	442	
2308	Quit		363	3393	ABC_Eng	442	
2309	Quit		363	3393	ABC_Eng	443	
2311	Quit		363	3394	ABC_Eng	443	
2312	Party Maintenance		356	3395	ABC_Eng	430	
2401	U		363	3513	ABC_Eng	435	
2404	Value		360	3517	ABC_Eng	433	
2408	ID		360	3523	ABC_Eng	433	
2416	Window1		356	3540	ABC_Eng	430	
2417	Default		357	3541	ABC_Eng	431	
2418	Statement ID		360	3542	ABC_Eng	433	
2419	Timestamp		360	3543	ABC_Eng	433	
2420	Remarks		360	3544	ABC_Eng	433	
2421	Operation		360	3545	ABC_Eng	433	
2422	Options		360	3546	ABC_Eng	433	
2423	Object Node		360	3547	ABC_Eng	433	
2424	Object Owner		360	3548	ABC_Eng	433	
2425	Object Name		360	3549	ABC_Eng	433	
2426	Object Instance		360	3550	ABC_Eng	433	
2427	Object Type		360	3551	ABC_Eng	433	
2428	Optimizer		360	3552	ABC_Eng	433	
2429	Search Columns		360	3553	ABC_Eng	433	
2430	ID		360	3554	ABC_Eng	433	
2431	Parent ID		360	3555	ABC_Eng	433	

FIG. 10A

2432	Position		360	3556	ABC Eng	433	
2433	Function Maintenance		356	3559	ABC Eng	430	
2434	Custom		357	3560	ABC Eng	431	
2396	Party Role Info		358	3507	ABC Eng	432	
2411	Association		360	3526	ABC Eng	433	
2412	Name		360	3527	ABC Eng	433	
2413	Quit		363	3529	ABC Eng	435	
2414	Default		357	3535	ABC Eng	431	
2415	Type		360	3537	ABC Eng	433	
2295	Default		357	3385	ABC Eng	431	
2299	Quit		363	3387	ABC Eng	433	
2303	Default		357	3390	ABC Eng	431	
2307	Filter		363	3392	ABC Eng	443	
2310	Start Over		363	3394	ABC Eng	442	
2326	Type		360	3417	ABC Eng	433	
2330	Type		360	3423	ABC Eng	433	
2334	Role		360	3428	ABC Eng	433	
2337	ID		360	3434	ABC Eng	433	
2341	From		360	3438	ABC Eng	433	
2344	Context		360	3441	ABC Eng	433	
2360	U		363	3459	ABC Eng	435	
2363	Name		360	3463	ABC Eng	433	
2367	Party Role		358	3470	ABC Eng	432	
2371	Relation		360	3474	ABC Eng	433	
2375	U		363	3479	ABC Eng	435	
2389	Lang		360	3496	ABC Eng	433	
2393	ID		360	3502	ABC Eng	433	
2410	Role		360	3525	ABC Eng	433	
2378	Type		360	3483	ABC Eng	433	
2379	Source		360	3484	ABC Eng	433	
2380	Start DT		360	3485	ABC Eng	433	
2381	End DT		360	3486	ABC Eng	433	
2382	U		363	3488	ABC Eng	435	
2383	U		363	3489	ABC Eng	435	
2384	U		363	3490	ABC Eng	435	
2385	Party Info		358	3492	ABC Eng	432	
2386	ID		360	3493	ABC Eng	433	
2387	Var		360	3494	ABC Eng	433	
2388	Value		360	3495	ABC Eng	433	
2390	U		363	3498	ABC Eng	435	
2391	U		363	3499	ABC Eng	435	
2392	U		363	3500	ABC Eng	435	
2394	Value		360	3503	ABC Eng	433	
2395	Lang		360	3504	ABC Eng	433	
2397	ID		360	3508	ABC Eng	433	

FIG. 10B

2398	Var		360	3509	ABC_Eng	433	
2399	Value		360	3510	ABC_Eng	433	
2400	Lang		360	3511	ABC_Eng	433	
2402	u		363	3514	ABC_Eng	435	
2403	ID		360	3516	ABC_Eng	433	
2405	Lang		360	3518	ABC_Eng	433	
2406	W_Soyrce		356	3521	ABC_Eng	430	
2407	Custom		357	3522	ABC_Eng	431	
2377	Relation		360	3482	ABC_Eng	433	
2409	Context		360	3524	ABC_Eng	433	
2346	TX		360	3443	ABC_Eng	433	
2347	Name		360	3444	ABC_Eng	433	
2348	EIN		360	3445	ABC_Eng	433	
2349	Legcy		360	3446	ABC_Eng	433	
2350	Rel Type		360	3447	ABC_Eng	433	
2351	Start From		360	3448	ABC_Eng	433	
2352	To		360	3449	ABC_Eng	433	
2353	End From		360	3450	ABC_Eng	433	
2354	To		360	3451	ABC_Eng	433	
2355	Name		360	3452	ABC_Eng	433	
2356	Name		360	3453	ABC_Eng	433	
2357	U		363	3454	ABC_Eng	435	
2358	U		363	3457	ABC_Eng	435	
2359	U		363	3458	ABC_Eng	435	
2361	U		363	3460	ABC_Eng	435	
2362	ID		360	3462	ABC_Eng	433	
2364	Start DT		360	3464	ABC_Eng	433	
2365	End DT		360	3466	ABC_Eng	433	
2366	Ord Num		360	3468	ABC_Eng	433	
2368	ID		360	3471	ABC_Eng	433	
2369	Context		360	3472	ABC_Eng	433	
2370	Type		360	3473	ABC_Eng	433	
2372	Start DT		360	3476	ABC_Eng	433	
2373	End DT		360	3477	ABC_Eng	433	
2374	U		363	3478	ABC_Eng	435	
2345	Type		360	3442	ABC_Eng	433	
2376	ID		360	3481	ABC_Eng	433	
2436	Name		360	3568	ABC_Eng	433	
2437	Type		360	3569	ABC_Eng	433	
2438	Domain		360	3570	ABC_Eng	433	
2439	Descr		360	3573	ABC_Eng	433	
2440	U		363	3575	ABC_Eng	435	
2441	Name		360	3577	ABC_Eng	433	
2442	Domain		360	3578	ABC_Eng	433	
2443	Order		360	3579	ABC_Eng	433	

FIG. 10C

2444	Descr		360	3582	ABC Eng	433	
2445	ID		360	3583	ABC Eng	433	
2435	IDD		360	3566	ABC Eng	433	
2314	Child Role		358	3397	ABC Eng	432	
2315	Cntxt		360	3398	ABC Eng	433	
2316	U		363	3399	ABC Eng	435	
2317	Locator		358	3400	ABC Eng	432	
2318	Check_Box159		362	3402	ABC Eng	434	
2319	Check_Box159		362	3403	ABC Eng	434	
2320	Custom		357	3404	ABC Eng	431	
2321	Sub Role		358	3405	ABC Eng	432	
2322	Custom		357	3410	ABC Eng	431	
2323	ID		360	3414	ABC Eng	433	
2324	Context		360	3415	ABC Eng	433	
2325	Relation		360	3416	ABC Eng	433	
2327	Source		360	3418	ABC Eng	433	
2328	Name		360	3421	ABC Eng	433	
2329	ID		360	3422	ABC Eng	433	
2331	Default		357	3425	ABC Eng	431	
2332	ID		360	3426	ABC Eng	433	
2333	Name		360	3427	ABC Eng	433	
2335	ID		360	3430	ABC Eng	433	
2336	Name		360	3431	ABC Eng	433	
2313	Custom		357	3396	ABC Eng	431	
2338	Default		357	3435	ABC Eng	431	
2339	From		360	3436	ABC Eng	433	
2340	Default		357	3437	ABC Eng	431	
2342	To		360	3439	ABC Eng	433	
2343	To		360	3440	ABC Eng	433	

FIG. 10D